

AMENDMENTS TO THE CLAIMS:

Please amend the claims as indicated below. This listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1-7. (Previously Canceled).

8. (Currently Amended) A transmitter apparatus for sending a data transmission signal over power lines of an electrical power network, wherein the transmitter apparatus comprises control devices, signal-shaping and adjustment devices, and connecting devices for connection to the electrical network, including a signal amplifier, and a connecting cable between the transmitter apparatus and a connecting point of the electrical power network, wherein the improvement comprises:

wherein the transmitter apparatus for sending the data transmission signal over power lines of the electrical power network is divided and physically separated into at least a first part and a second part connected by one of a signal cable, an optical fiber, and a wireless connection, said first part including at least the control devices, one of said first and second part including the signal shaping and adjustment devices for generating the data transmission signal, and said second part including at least the signal amplifier, a connecting unit for coupling the data transmission signal to the electrical power network, and the connecting cable connecting said second part at least near to phase and zero rails or to a wall outlet of the electrical power network;

wherein the first part steers operation of the second part over the one of the signal cable, the optical fiber, and the wireless connection; and

wherein the length of the connecting cable is under 5 m.

9. (Previously Presented) A transmitter apparatus according to claim 8 wherein the length of the connecting cable is under 1 m when the second part is connected to the phase and zero rails or to the wall outlet of the electrical network.

10-11. (Previously Canceled)

12. (Previously Presented) A transmitter apparatus according to claim 8 wherein the connecting cable can be connected to voltage rails in a direct-current electrical power line or an alternating-current electrical power line or to another connection point of an electrical power line.

13. (Previously Presented) A transmitter apparatus according to claim 8 wherein the connecting cable can be connected to 3-phase rails or to a 3-phase outlet or to another connection point of a network cable.

14. (Previously Canceled)